

METRIC

MIL-DTL-83538/4A

24 December 1998

SUPERSEDING

MIL-C-83538/4

14 November 1994

DETAIL SPECIFICATION SHEET

CONNECTORS AND ACCESSORIES, ELECTRICAL, CIRCULAR, UMBILICAL,  
RECEPTACLE, LAUNCHER ASSEMBLY, REMOVABLE CRIMP CONTACTS, SOCKETS  
FOR MIL-STD-1760 APPLICATIONS (METRIC)

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the product described herein  
shall consist of this specification and MIL-DTL-83538.

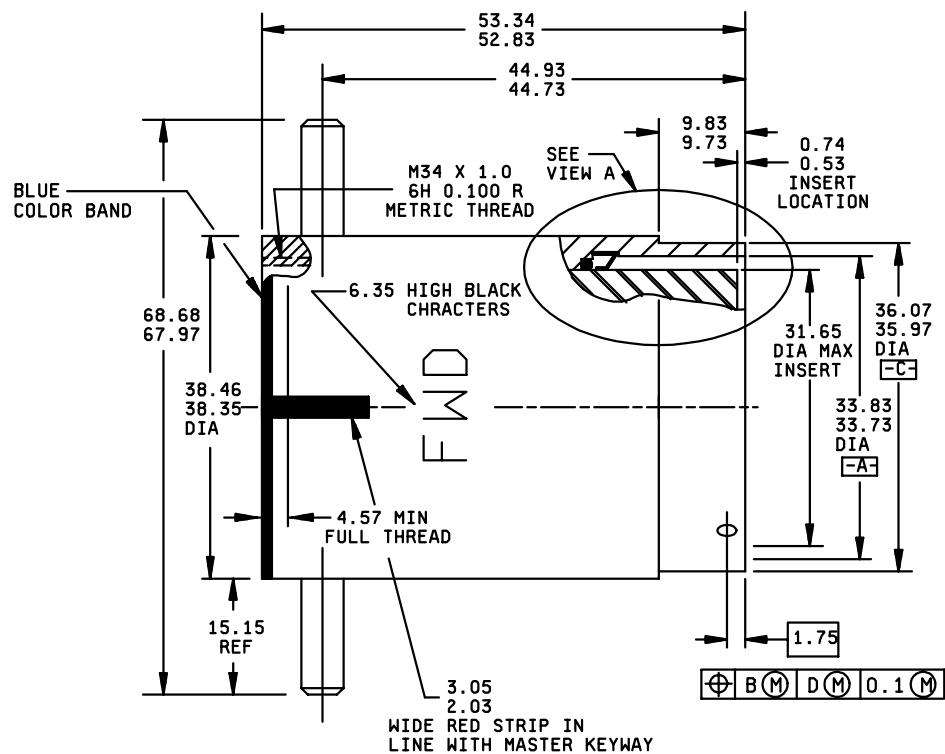


FIGURE 1. Launcher receptacle, style A.

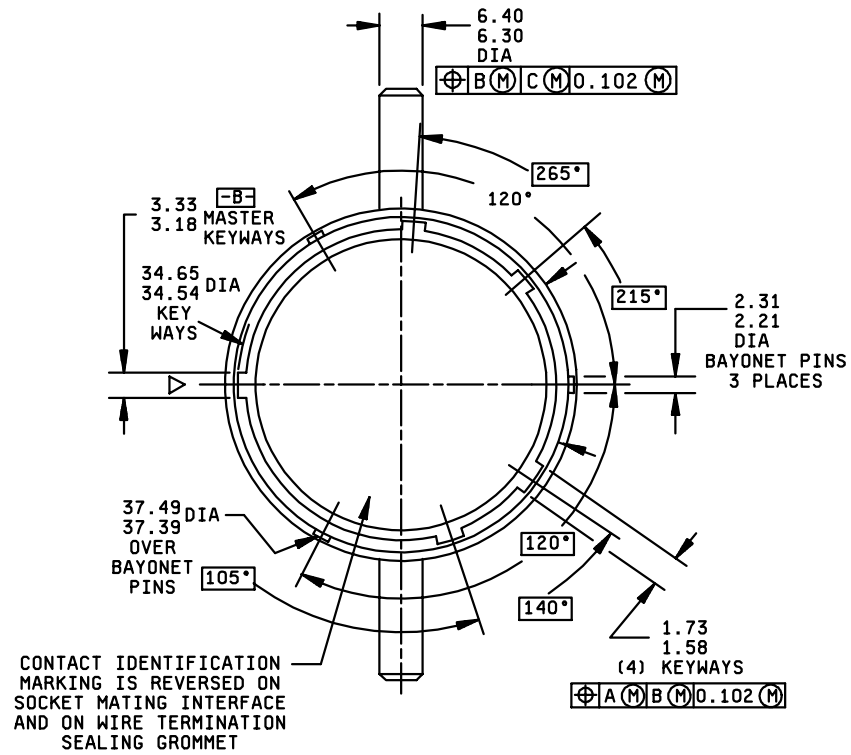
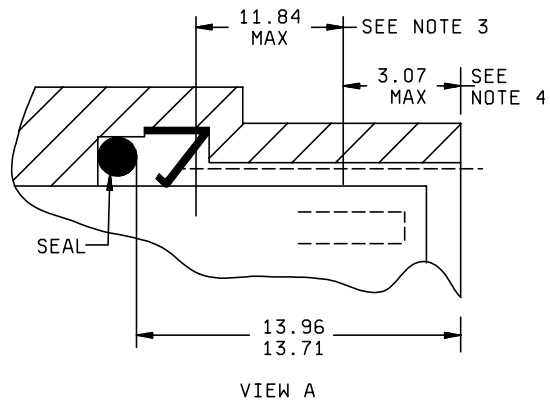


FIGURE 1. Launcher receptacle, style A - Continued.

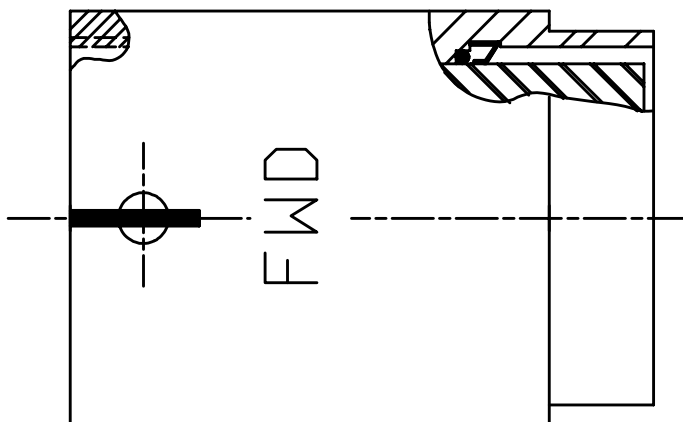


mm	Inches	mm	Inches	mm	Inches	mm	Inches
0.102	0.004	3.18	0.125	13.96	0.549	37.49	1.476
0.53	0.021	3.33	0.131	15.15	0.596	38.35	1.510
0.74	0.029	4.57	0.180	31.65	1.246	38.46	1.514
1.58	0.053	6.30	0.248	33.73	1.328	44.73	1.761
1.73	0.069	6.35	0.250	33.83	1.332	44.93	1.769
1.75	0.069	6.40	0.252	34.54	1.360	52.83	2.080
2.03	0.080	9.73	0.383	34.65	1.364	53.34	2.100
2.21	0.087	9.83	0.387	35.97	1.416	67.97	2.675
2.31	0.090	11.84	0.466	36.07	1.420	68.68	2.704
3.05	0.120	13.71	0.539	37.39	1.472		

## NOTES:

1. Dimensions are in millimeters.
2. Inch-pound equivalents are given for information only.
3. A point at which a square ended pin of the same diameter as the mating shell first touches the ground spring.
4. A point at which a gauge pin, having the same basic diameter as the mating contact and a square face, touches the socket contact spring.

FIGURE 1. Launcher receptacle, style A - Continued.



Note: The spigots in style B are rotated 90° from those in style A.

FIGURE 2. Launcher receptacle, style B.

# REQUIREMENTS:

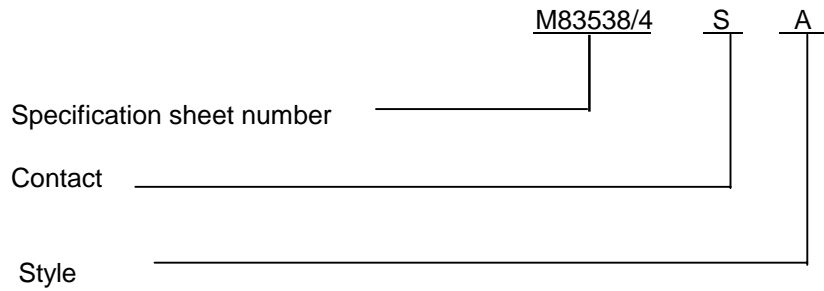
Dimensions and configurations: See figures 1 and 2.

This connector mates with MIL-DTL-83538/3.

Insert arrangement shall be in accordance with MIL-STD-1560 (25-20).

The posts shall be fitted in such a fashion as to meet the performance requirements in MIL-DTL-83538.

Part or Identifying Number (PIN) example:



## CONCLUDING MATERIAL

### Custodians:

Army – CR  
Navy - AS  
Air Force - 85

### Preparing activity:

DLA - CC

### Review activities:

Army - AR, MI  
Navy - EC, MC, OS  
Air Force - 11, 17, 19, 99

(Project 5935-4112-03)